

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/IB2005/050990

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H03M3/02 G06F1/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03M G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 351 229 B1 (WANG BINAN) 26 February 2002 (2002-02-26)	7
A	column 1, line 5 - column 7, line 39; figures 3a, 3b	1-6
A	----- EP 0 682 265 A (AT&T CORP) 15 November 1995 (1995-11-15) figures 1, 5	1, 2, 6
A	----- EP 0 756 384 A (AT&T IPM CORP) 29 January 1997 (1997-01-29) the whole document	1-6

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

26 April 2005

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06/05/2005

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INTERNATIONAL SEARCH REPORT

Int. Patent Application No
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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6351229	B1	26-02-2002	EP	1417764 A1		12-05-2004
			WO	0221698 A1		14-03-2002
EP 0682265	A	15-11-1995	US	5530442 A		25-06-1996
			EP	0682265 A1		15-11-1995
			JP	7321653 A		08-12-1995
EP 0756384	A	29-01-1997	US	5745061 A		28-04-1998
			EP	0756384 A2		29-01-1997
			JP	9121161 A		06-05-1997